

AMENDMENT UNDER 37 C.F.R. § 1.111
USSN: 09/982,817

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A mobile telephone comprising:

a first acquisition means, which acquires position information of a base station having a stored position;

a second acquisition means, which acquires position information for a current position;

a calculation means, which, based on said position information acquired by said first acquisition means and said second acquisition means and position information input for the target position, calculates an angle formed between a line joining said current position and said base station and a line joining said current position and said target position;

a first locating means, which, based on a received level of a signal transmitted from said base station, locates a direction to a location of said base station; and

a second locating means, which, based on said direction located by said first locating means and said angle calculated by said calculation means, locates a direction to said target position.

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2. (original): A mobile telephone according to claim 1, wherein a direction to said target located by said second locating means is caused to be indicated on a display.

3. (original): A mobile telephone according to claim 1, wherein said first locating means comprises:

a directional antenna receiving a signal transmitted from said base station; and
a calculation means calculating a field strength of said received signal, wherein,
said first locating means determines a calculated direction having a maximum field
strength as a direction to a position of said base station.

4. (original): A mobile telephone according to claim 1, wherein said second acquisition means acquires position information of said current position, based on signals sent from a plurality of GPS satellites.

5. (original): A mobile telephone system comprising:

a mobile telephone according to any one of claim 1 to claim 4; and
a base station transmitting its own position information to said mobile telephone.

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6. (original): A base station used in a mobile telephone system according to claim 5, which transmits its own position information in response to a request from said mobile telephone.

7. (new): A mobile telephone comprising:

a controller, which acquires position information of a base station;

a receiving antenna, which acquires position information of a current position of said mobile telephone;

a directional antenna and a strength indicator, which, based on a received level of a signal transmitted from said base station, locate a direction to a location of said base station;

a calculation section, which, based on said base station position information and current mobile telephone position information, and position information input for the target position, calculates an angle formed between a line joining said current position and said base station and a line joining said current mobile telephone position and said target position, and based on said located direction and said calculated angle, locates a direction to said target position.

8. (new): A mobile telephone according to claim 7, wherein said located direction to said target is indicated on a display.

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9. (new): A mobile telephone according to claim 7, wherein said receiving antenna acquires position information of said current position, based on signals sent from a plurality of GPS satellites.

10. (new): A mobile telephone system comprising:

a mobile telephone according to any one of claim 7 to claim 9; and
a base station transmitting its own position information to said mobile telephone.

11. (new): A base station used in a mobile telephone system according to claim 10, which transmits its own position information in response to a request from said mobile telephone.